

Foundations of Science Assessment

You will be creating an Explain Everything to demonstrate your mastery of the following three standards.

MS-PS1-1 I can draw/explain how atoms combine to make different types of matter.

MS-PS1-4 I can compare how particles move in the different states of matter.

MS-PS1-4 I can explain how a change in temperature/energy affects how particles move.

Directions: You must create a **minimum of 4 slides** for your assessment, one for each of the following requirements. You may do two for each, but do not do more than that.

Slides must have:

1. the standard identified
2. your own original drawings
3. your voice explaining what you know
4. Provide examples to demonstrate your understanding of the concepts.

Slide 1: MS-PS1-1

- What are atoms?
- What are the atomic particles?
- Describe 2 characteristics of each particle.
- Draw an atom with a mass number of 4.
- Record yourself explaining each of these elements.

Slide 2: MS-PS1-1

- Draw and explain how atoms combine. Be sure to discuss both compounds and mixtures.
- Provide at least one example of each (compounds and mixtures)

Slide 3: MS-PS1-4

- Explain each of the states of matter.
- Provide examples for each state of matter.
- Draw and explain how the particles in the different states of matter move.

Slide 4: MS-PS1-4

- Explain boiling point and freezing point.
- Draw and explain how adding or removing energy affects the particles in a substance.
- Use water as your example.

